

Declassification Review by NGA/DoD

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S E C R E T 062319Z CITE [] 9256

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WE UNDERSTAND THAT [] IS NOW INSTALLING AND CHECKING
 OUT THE NEW STEREO COMPARATOR BUILT BY [] WE WOULD LIKE TO
 LEARN SOME OF THE TECHNICAL REQUIREMENTS AND SPECIFICATIONS
 FOR THIS INSTRUMENT. ON YOUR NEXT TRIP TO [] WOULD YOU
 PLEASE DISCUSS THE FOLLOWING POINTS WITH THEM. IF WE HAVE THESE
 ANSWERS WE WILL HAVE A GOOD IDEA OF THE INSTRUMENT AND ITS
 DESIGN OBJECTIVES. AT THE TIME OF [] VISIT THE
 INSTRUMENT WAS NOT OPERATIONAL SO HE WAS NOT GIVEN A COMPLETE
 BRIEFING.

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- A. MANUFACTURER OF COMPARATOR
- B. SPECIAL DESIGN OF SPECIAL MODIFICATIONS
- C. LEAST COUNT OF READOUT (AND VALUE)
- D. TYPE OF MEASURING SYSTEM AND ASSOCIATED ELECTRONICS
- E. ACCURACY STATEMENTS:
 - (1) REPEATABILITY
 - (2) OVERALL ABSOLUTE ACCURACY IN MEASURING PLANE
- F. NECESSARY ENVIRONMENT
 - (1) TEMPERATURE LIMITS
 - (2) HUMIDITY LIMITS
 - (3) APPROXIMATE AIR PURITY REQUIREMENTS (SHOP, OFFICE,
 CLEAN ROOM)

7 DEC 1966

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G. TYPE OF CONTROLS

- (1) MECHANICAL CONTROLS; HANDWHEELS, ETC.
- (2) ELECTRONIC CONTROLS; CONSTANT DIALS, PUSH BUTTONS,

ETC.

H. NATURE OF INTERFACE WITH MAIN COMPUTER

- (1) DIRECT LINK
- (2) CARD PUNCH OR TAPE INPUT

I. NATURE OF INPUT AND OUTPUTS

- (1) INPUT; PARAMETER AND RAW COORDINATE FORMAT
- (2) OUTPUT; HARD COPY PRINTOUT, TAPE, CARDS, ETC.

J. STEREO OPERATION CHARACTERISTICS

- (1) AUTOMATIC STEREO CORRELATION AND STAGE TRACKING
- (2) SCANNING ABILITY OR DISCRETE POINTING ONLY

K. DESCRIPTION OF OPTICS

- (1) MAGNIFICATION RANGE
- (2) ZOOM RANGE OR INTERCHANGEABLE OPTICS
- (3) IMAGE ROTATION
- (4) IMAGE REVERSION
- (5) RESOLUTION
- (6) OPTICAL SWITCHING
- (7) TYPE OF ILLUMINATION

L. ASSOCIATED EQUIPMENT

- (1) PLOTTING TABLE
- (2) VACUUM PUMP, ETC.
- (3) CARD PUNCH, TAPE PUNCH, ETC.

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M. TYPE OF FILM HOLD DOWN

N. GENERAL OVERALL CONFIGURATION

(1) SIZE OF STAGES

(2) LOCATION OF STAGES, RELATIVE TO OPERATOR

(3) OVERALL SIZE OF EQUIPMENT

O. NATURE OF FILM TRANSPORT

P. TYPE OF MATERIAL THAT CAN BE HANDLED

(1) GLASS PLATES

(2) ROLL FILM (WHICH SIZES)

Q. STAGE CONTROL

(1) SERVO

(2) MECHANICAL LINKEAGE

S E C R E T

-END OF MESSAGE-